NC/QC/YD/2020-21/W1-KB-C2 Date: 11-02-2021

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements of Roads and Drains at Kalli Bhavi Road and Surrounding Areas in Ward no-1 of Yelahanka sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.Ramesh Y.B.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	162 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.86 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.09mm	Shall not be more than 10 mm
	Compressive strength a) 3 days (average of three results)	28.75 N/Sq mm	Shall not be less than 27 N/Sqmm

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The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Sadguru School Road

NEWZEN CONSULTANT Bangalore

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
EMAIL:newzen576@gmail.com

NC/QC/YD/2020-21/W1-KB-4A Date: 31-03-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements of Roads and Drains at Kalli Bhavi Road and Surrounding Areas in Ward no-1 of Yelahanka sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.Ramesh Y.B.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	03-03-21	31-03-21	28	22500	520	23.11	**22.74**
	002	‘’	“	‘’	“	510	22.67	
	003	‘’	“	‘’	“	505	22.44	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Down Bazar , Cross Rd 02

A.E.E

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NC/QC/YD/2020-21/W1-KB-K1

Date: 05-04-2021

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Improvements of Roads and Drains at Kalli Bhavi Road and Surrounding Areas in Ward no-1 of Yelahanka sub Division.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.Ramesh Y.B.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.35	22.95	**23.21**	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.37	23.25		
3	003	3.39	23.45		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.45	**4.55**
2	002	4.53	
3	003	4.68	

The result of the materials tested meets the standards and hence can be used for the work.
Sample Collected Site : Down Bazar Rd From Amulya Biriyani Corner (LHS)

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A.E.E

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